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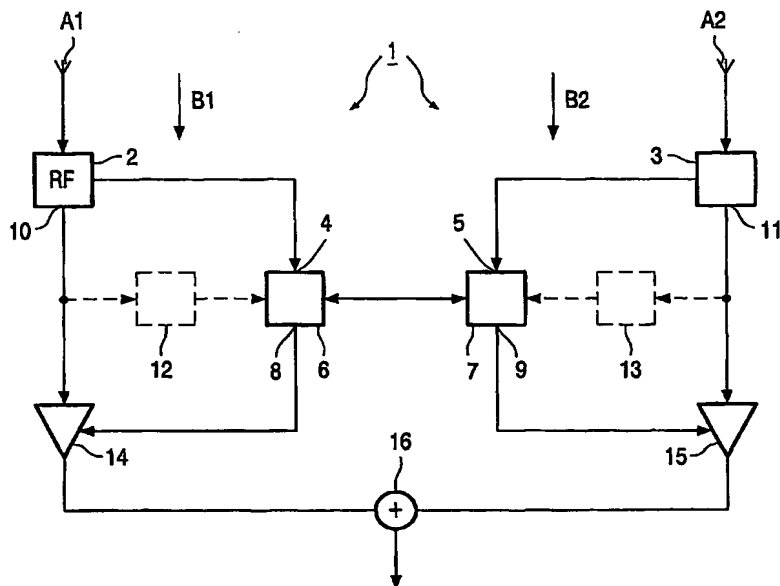
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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **LINNARTZ, Johan, P., M., G.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: **SLENDERS, Petrus**; Philips Intellectual Property & Standard, P.O. Box 220, NL-5600 AE Eindhoven (NL).
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(54) Title: DIVERSITY RECEIVER HAVING CROSS COUPLED CHANNEL PARAMETER ESTIMATION



(57) **Abstract:** A diversity receiver has multiple antenna receiving branches. Each branch has means for estimating at least a receiving channel parameter, and the channel parameter estimating means in one branch are coupled to the channel parameter estimating means in an other branch. This way at least a part of the channel parameter estimate in the one branch is used as an aid for estimating at least a receiving channel parameter in the other branch. This saves processing time and processing power in the diversity receiver, and even results in a higher accuracy when selecting the best antenna and receiving branch.

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